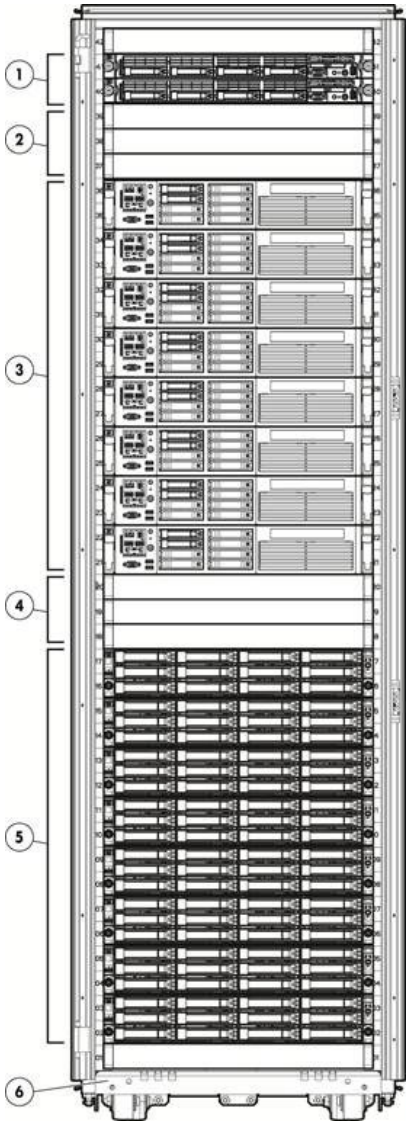
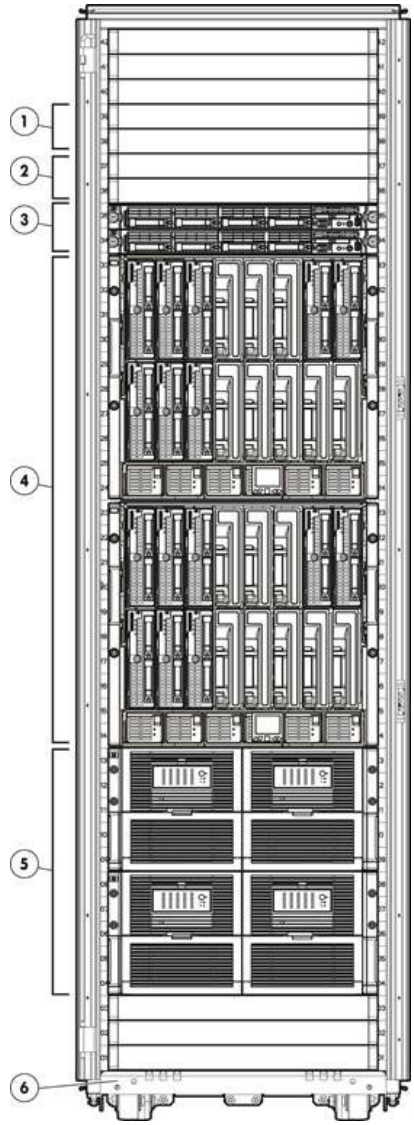


VirtualSystem VS1 Solution for Microsoft

1. One (1) or two (2) HP ProLiant DL360 G7 management servers
2. Two (2) HP A5820-24XG-SFP switches
3. Two (2) or eight (8) HP ProLiant DL380 G7 virtualization servers
4. Two (2) HP A5800-48G switches
5. One (1) or four (4) HP P4500 2-node virtualization SAN enclosures
6. One (1) HP 42U 1075mm i-Series Shock Rack



VirtualSystem VS2 Solution for Microsoft

1. Two (2) HP A5820-24XG-SFP switches
2. Two (2) HP 5800-24G switches
3. Two (2) HP ProLiant DL360 G7 management servers
4. One (1) or two (2) HP BladeSystem c7000 enclosures with Virtual Connect Flex-10, containing six (6) or (twelve)12 total HP ProLiant BL460c G7 virtualization server blades
5. One (1) or two (2) HP P4800 SAN enclosures
6. One (1) HP 42U 1075mm i-Series Shock Rack

Overview

At A Glance

The HP VirtualSystem Solution for Microsoft provides a revolutionary virtualization ecosystem built for tomorrow's demands today. Simple to use, it delivers the fastest time-to-application value immediately to businesses. It has been optimized on a Converged Infrastructure and is based on Microsoft Windows Server 2008 R2 Data Center edition, and HP server, storage and networking technologies optimized for a virtualized environment; and includes three years of HP 24x7 hardware and software support.

The HP VirtualSystem Solution for Microsoft is pre-configured, tested and optimized to provide easy deployment, allowing for fast implementation and minimizing reliance on IT resources. The solution is offered in two configurations: VS1 (HP ProLiant-based with P4500 LeftHand SAN storage) and VS2 (HP BladeSystem-based with P4800 LeftHand SAN solution for BladeSystem).

Each may also be ordered as a base or extended configuration. Both VS1 and VS2 base configurations are "upgrade-ready", containing full power and networking infrastructure to enable seamless upgrade to the extended configuration. Both 24A and 40A PDU options are available (both single and three-phase) to suit all geographies.

The HP VirtualSystem solutions are built on well-established HP technologies and functionality including (depending on configuration):

- HP ProLiant DL380 G7 and DL360 G7 servers
- HP BladeSystem c7000 enclosure provides a complete infrastructure for power, cooling, and deployment and management of c-Class server blades.
- HP BL460c G7 server blades provide enterprise-class features for high performance and reliability without compromising energy efficiency or density
- HP P4500 G2 LeftHand SAN
- HP P4800 G2 LeftHand SAN Solution for BladeSystem
- HP Networking A series switches
- HP Virtual Connect Flex-10
- HP Insight Control, including iLO Advanced and the HP Insight Control extensions for Microsoft System Center
- Factory Integration through HP Factory Express assembles and tests the solution and our onsite installation and integration reduces deployment time by over 50%.
- HP support provides a single point of contact across all components; the servers, storage, operating system, HP software and Microsoft software. Additional VirtualSystem configuration services and other VirtualSystem professional services are also available.

For more information about HP storage, see: http://www.hp.com/go/storage
For more information about HP networking, see: http://www.hp.com/go/networking
For more information about HP racks see: http://h18000.www1.hp.com/products/quickspecs/12402_div/12402_div.html
For more information about HP ProLiant servers, see: http://www.hp.com/go/proliant
For more information about HP blade servers, see: http://www.hp.com/go/bladesystem
For more information about HP Insight Control, see: http://www.hp.com/go/insightcontrol
For more information about HP BladeSystem c7000 Enclosure see:
http://h18000.www1.hp.com/products/quickspecs/12810_div/12810_div.html
For more information about HP BladeSystem c-Class Interconnect and Mezzanine Components see:
http://h18004.www1.hp.com/products/blades/components/c-class-interconnects.html
http://h18004.www1.hp.com/products/blades/components/c-class-adapters.html

How to Order

How to order the HP VirtualSystem Solution for Microsoft

The HP VirtualSystem Solutions for Microsoft include all of the HP hardware and HP software, in addition to Microsoft Windows Server 2008 R2, SP1 which includes Hyper-V. Allowing flexibility in licensing, Microsoft System Center Virtual Machine Manager 2008 R2 SP1 and Microsoft System Center Operations Manager 2007 R2 are licensed and sold separately, which allows customers to utilize existing System Center licenses. For customers that maintain ELAs (Enterprise License Agreements) -- please inform your sales team so that your VirtualSystem takes advantage of your site license for the operating system. HP VirtualSystem includes factory integration, onsite installation and hardware and software support, including Microsoft System Center. For maximum customer flexibility two solutions are available and come in base or extended configuration sizes, including: the VirtualSystem VS1 Solution for Microsoft (P/N: 669308-B21), and the VirtualSystem VS2 Solution for Microsoft (P/N: 669309-B21). Customers will work with the HP sales team to determine the appropriate level of software licenses required for their installation. See below for details.

With all HP VirtualSystem orders, the following services are included:

- Factory integration services through HP Factory Express to configure, rack, and cable the infrastructure in a rack,
- Installation and start up services,
- 3yr Critical Advantage Level 3 support (24x7 hardware and software support with 6 hour hw call-to-repair), with the option to downgrade to lower service levels or extend to longer durations.

The Technology Services Start Service is detailed in the installation and start up section below.

Standard Features

HP VirtualSystem for Microsoft software

The HP VirtualSystem Solution for Microsoft comes standard with Microsoft Windows Server 2008 R2 with SP1 which includes Hyper-V. It also includes the HP Insight Control software for System Center. The software is installed and licenses are included. Also included with the HP VirtualSystem is a minimum of 3 year Support Plus 24 (24x7) hardware and software support) for all components (default selection is Critical Advantage with the ability to downgrade support if required.)

Allowing flexibility in licensing, Microsoft System Center Virtual Machine Manager 2008 R2 SP1 and Microsoft System Center Operations Manager 2007 R2 are licensed and sold separately, which allows customers to utilize existing System Center licenses. For customers that maintain EAs (Enterprise Agreements) -- please inform your sales team so that your VirtualSystem takes advantage of your site license for the operating system. The software is installed and support is included.

Microsoft System Center licenses are not included as part of an HP VirtualSystem, so they must be purchased separately. If your organization already has a Microsoft Volume License for System Center, consult with your internal software licensing specialist to assure that the new servers in VirtualSystem are covered by that license. Otherwise, refer to the "How to Buy" link at http://www.microsoft.com/systemcenter to determine how to purchase System Center licenses for the VirtualSystem servers.

The HP VirtualSystem Solution is the only virtualization solution built on the combination of HP Converged Infrastructure and Microsoft Windows Server 2008 to handle today's wide range of datacenter workloads.

It is ideal for mid-market to enterprise customers moving beyond basic consolidation, managing complex infrastructure and considering a private cloud in the future.

- Fully integrated virtualization platform
- Characterized and tuned for Hyper-V and System Center
- Accelerated time to deployment
- Onsite installation, integrated into customer environment
- Full solution supported by HP support
- Built on industry leading servers, storage, networking, with integrated management for automated virtual machine management
- Performance tested for typical workloads
- Exceptional power and cooling efficiency
- Resiliency designed into systems, configuration, and software
- Modular, expandable to accommodate growth affordably
- Manageable by HP CloudSystem
- Basis for Microsoft Hyper-V cloud

Standard Features

HP Insight management software	HP Insight Control	• HP Insight Control is essential server management software that enables you to fully utilize the management capability built into your ProLiant servers. The unbeatable combination of HP ProLiant with Insight Control delivers the best managed servers in the industry. For more information, visit: www.hp.com/go/insightcontrol. • HP Insight Control for Microsoft System Center adds integrated extensions to make the ProLiant management information available through the System Center consoles, and also adds health monitoring and alerting, proactive virtual machine management, and ProLiant OS deployment and update capabilities to the System Center consoles. For more information, visit: www.hp.com/go/icsc. • HP Insight Control remote management, featuring iLO Advanced, provides comprehensive lights-out remote management capabilities for ProLiant servers, including high-performance virtual KVM for routine and emergency remote administration, remote access to server power control and event logs, virtual media for simple deployment and update of remote servers, and single server power measurement and regulation. For more information, visit: www.hp.com/go/iLO

Start Service	The included onsite Installation and Startup Service (Start Service) consists of these steps: • Prior to solution delivery, HP will collect the various parameters needed to perform System installation, in particular the network parameters • Upon delivery to customers site, unpack and inspect for damages • Install software using customer licensing for Microsoft System Center Virtual Machine Manager 2008 R2 SP1 and Microsoft System Center Operations Manager 2007 R2, and if previously agreed, Microsoft Windows Server 2008 R2 SP1 • Integrate VirtualSystem into customers environment, power, network cabling • Configuration of the network connections towards the customer environment and connection verification • Conduct basic solution level functionality testing • Familiarize customer with the equipment and with basic processes • Instruct customer on how to place support calls

Standard Features

Warranty services

The VirtualSystem is covered by a global limited warranty and supported by HP Services and a worldwide network of HP Authorized Channel Partners. Hardware diagnostic support and repair is available for three years from date of purchase.

Beyond the warranty, 3 year Critical Advantage (which can be downgraded to Support Plus 24) is included as a part of the standard offering, providing 24x7 hardware and software support with 4 hour on-site hardware response time covering all components of the system. Customers may upgrade to higher support levels or extended durations. See Step 2, Choose HP Care Pack Support and Additional Services for more information.

	Response Time HW - reactive	Response Time SW - reactive	Distinguishing attributes
Support Plus 24	4h onsite	2h 24*7	
Critical Advantage Level 2	4h onsite	<=2h*	• Assigned account team • Mission Critical reactive support • HP Insight Remote Support Advanced • Core proactive services • Flexible proactive services
Critical Advantage Level 3	6h call to repair	<=2h*	

NOTE: Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have HP replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html.

HP Financial Services

To support customers' transition, HP Financial Services (HPFS) can help in a way that you may not have considered. HPFS can help you invest in your business while preserving precious capital.

For more information, contact your local HP Financial Services Representative. In the United States, call 1-888-277-5942. In Canada, dial 1-800-HP-LEASE. For more information please visit: www.hp.com/hpfinancialservices for links to HP Financial Services around the world.

Rack Airflow Requirements

HP 42U 1075mm i-Series Shock Rack series cabinets

The increasing power of new high-performance processor technology requires increased cooling efficiency for rack-mounted servers. The HP 42U 1075mm i-Series Shock Racks provide enhanced airflow for maximum cooling, allowing these racks to be fully loaded with servers using the latest processors.

CAUTION: Always use blanking panels to fill all remaining empty front panel U-spaces in the rack. This arrangement ensures proper airflow. Using a rack without blanking panels will result in improper cooling that can lead to thermal damage.

NOTE: This section lists the standard features included in each model of the HP VirtualSystem.
NOTE: All components are factory integrated and have been localized to US English.
NOTE: Software is preinstalled onsite.

Step 1: Order HP's VirtualSystem Solution for Microsoft configuration. Choose from one of the models below which meets your virtualization and performance needs.

HP VirtualSystem — HP VirtualSystem VS1 Solution for Microsoft — 669308-B21

HP VirtualSystem VS1 base configuration includes the following:

One (1) HP 42U 1075mm i-Series Shock Rack includes:

- Two (2) HP ProLiant DL380 G7 Servers (Virtualization Hosts)
  - Twelve (12) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (96GB per server), or optionally twenty four (24) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (192GB per server)
  - Four (4) Intel® Xeon® X5690 (3.46GHz/6-core/130W/6MB) Processors
  - Two (2) HP 512MB P-Series BBWC Upgrade
  - Four (4) 146 GB 6G 15k rpm SAS SFF drives
  - Four (4) HP NC382T PCI Express Dual Port Multifunction Gigabit Server Adapter
  - Four (4) HP 750w CS Platinum Power Supplies
- One (1) HP ProLiant DL360 G7 Server (Management Station)
  - Eight (8) HP 8GB 2Rx4 PC3-10600R-9 STD RDIMMs
  - Two (2) Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) Processors
  - One (1) HP 1GB Flash Backed Cache
  - Four (4) 300GB 6G SAS 10K rpm SFF DP Enterprise Hard Drive
  - One (1) HP DL360 SL SATA DVD-RW Optical Kit
  - Two (2) HP 460w CS Platinum Power Supply Kit
- One (1) HP P4500 2-node 14.4TB SAS Virt SAN Array
- Two (2) HP A5820-24XG-SFP Switches
- Two (2) HP A5800-48G Switches
- One (1) HP 10K Rack Airflow Optimization Kit
- One (1) HP 42U 1075mm Side Panel Kit
- Six (6) HP Intelligent Mod PSU 24A with five (5) HP PDU Ext bar kits (pair); or optionally four (4) HP Intelligent Mod PSU 40A with five (5) HP PDU Ext bar kits (pair).
- Microsoft Windows Server 2008 R2 Data center edition (Optional)
- Three (3) HP Insight Control licenses
- Factory Integration
- Onsite installation and startup
- 3yr Critical Advantage Level 3 support (24x7 hardware and software support with 6 hour hw call-to-repair), covering all components of the system

HP VirtualSystem VS1 extended configuration includes the following:

One (1) HP 42U 1075mm i-Series Shock Rack includes:

- Eight (8) HP ProLiant DL380 G7 Servers (Virtualization Hosts)
  - Forty eight (48) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (96GB per server), or optionally ninety six (96) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (192GB per server)
  - Sixteen (16) Intel® Xeon® X5690 (3.46GHz/6-core/130W/6MB)

Processors
- Eight (8) HP 512MB P-Series BBWC Upgrade
- Sixteen (16) 146 GB 6G 15k rpm SAS SFF drives
- Sixteen (16) HP NC382T PCI Express Dual Port Multifunction Gigabit Server Adapter
- Sixteen (16) HP 750w CS Platinum Power Supplies

- Two (2) HP ProLiant DL360 G7 Server (Management Station)
  - Sixteen (16) HP 8GB 2Rx4 PC3-10600R-9 STD RDIMMs
  - Four (4) Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) Processors
  - Two (2) HP 1GB Flash Backed Cache
  - Eight (8) 300GB 6G SAS 10K rpm SFF DP Enterprise Hard Drive
  - Two (2) HP DL360 SL SATA DVD-RW Optical Kit
  - Four (4) HP 460w CS Platinum Power Supply Kit
- Four (4) HP P4500 2-node 14.4TB SAS Virt SAN Array
- Two (2) HP A5820-24XG-SFP Switches
- Two (2) HP A5800-48G Switches
- One (1) HP 10K Rack Airflow Optimization Kit
- One (1) HP 42U 1075mm Side Panel Kit
- Six (6) HP Intelligent Mod PSU 24A with five (5) HP PDU Ext bar kits (pair); or optionally four (4) HP Intelligent Mod PSU 40A with five (5) HP PDU Ext bar kits (pair).
- Microsoft Windows Server 2008 R2 Data center edition (Optional)
- Ten (10) HP Insight Control licenses
- Factory Integration
- Onsite installation and startup
- 3yr Critical Advantage Level 3 support (24x7 hardware and software support with 6 hour hw call-to-repair), covering all components of the system

HP VirtualSystem VS2 Solution for Microsoft 669309-B21

HP VirtualSystem VS2 base configuration includes the following:

One (1) HP 42U 1075mm i-Series Shock Rack includes:

- One (1) HP BLc7000 3 IN LCD ROHS Enclosure (virtualization host)
  - One (1) HP 6X 2400W Platinum Efficiency FIO Power Supply bundle
  - One (1) 6x HP Active Cool 2000 Fan Bundle
  - Two (2) HP c7000 Onboard Administrator with KVM Option
  - Six (6) HP ProLiant BL460c G7 Server
  - Twelve (12) HP BL460c G7 Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) FIO Processor
  - Thirty six (36) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (96GB per server), or optionally seventy two (72) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (192GB per server)
  - Twelve (12) HP 146GB 6G SAS 15K 2.5in DP ENT HDD
- Two (2) HP ProLiant DL360 G7 Server (Management Station)
  - Sixteen (16) HP 8GB 2Rx4 PC3-10600R-9 STD RDIMMs
  - Four (4) Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) Processors
  - Two (2) HP 1GB Flash Backed Cache
  - Eight (8) 300GB 6G SAS 10K rpm SFF DP Enterprise Hard Drive
  - Two (2) HP DL360 SL SATA DVD-RW Optical Kit
  - Four (4) HP 460w CS Platinum Power Supply Kit

  - Two (2) HP Integrated Lights-Out 3 (iLO 3) Advanced
- One (1) HP Virtual Connect Flex-10 10Gb Enterprise Edition for BladeSystem c7000
- Two (2) HP 3Gb SAS Switch BladeSystem (Individual SAS interconnect PN)
- One (1) HP P4800 42TB SAS SAN Solution for BladeSystem
- Two (2) HP A5820-24XG-SFP switches
- Two (2) HP A5800-24G switches
- One (1) HP 10K Rack Airflow Optimization Kit
- One (1) HP 42U 1075mm Side Panel Kit
- Six (6) HP Intelligent Mod PSU 24A with two (2) HP PDU Ext bar kits (pair); or optionally four (4) HP Intelligent Mod PSU 40A with one (1) HP PDU Ext bar kit (pair).
- Microsoft Windows Server 2008 R2 Data center edition (Optional)
- Eight (8) HP Insight Control licenses
- Factory Integration
- Onsite installation and startup
- 3yr Critical Advantage Level 3 support (24x7 hardware and software support with 6 hour hw call-to-repair), covering all components of the system

HP VirtualSystem VS2 extended configuration includes the following:

One (1) HP 42U 1075mm i-Series Shock Rack includes:

- Two (2) HP BLc7000 3 IN LCD ROHS Enclosure (virtualization host)
  - Two (2) HP 6X 2400W Platinum Efficiency FIO Power Supply bundle
  - Two (2) 6x HP Active Cool 2000 Fan Bundle
  - Four (4) HP c7000 Onboard Administrator with KVM Option
  - Twelve (12) HP ProLiant BL460c G7 Server
  - Twenty four (24) HP BL460c G7 Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) FIO Processor
  - Seventy two (72) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (96GB per server), or optionally one hundred forty four (144) HP 16GB 4Rx4 PC3-8500-R-7 R-DIMMs (192GB per server)
  - Twenty four (24) HP 146GB 6G SAS 15K 2.5in DP ENT HDD
- Two (2) HP ProLiant DL360 G7 Server (Management Station)
  - Sixteen (16) HP 8GB 2Rx4 PC3-10600R-9 STD RDIMMs
  - Four (4) Intel® Xeon® X5675 (3.06GHz/6-core/12MB/95W) Processors
  - Two (2) HP 1GB Flash Backed Cache
  - Eight (8) 300GB 6G SAS 10K rpm SFF DP Enterprise Hard Drive
  - Two (2) HP DL360 SL SATA DVD-RW Optical Kit
  - Four (4) HP 460w CS Platinum Power Supply Kit
  - Two (2) HP Integrated Lights-Out 3 (iLO 3) Advanced
- Two (2) HP Virtual Connect Flex-10 10Gb Enterprise Edition for BladeSystem c7000
- Four (4) HP 3Gb SAS Switch BladeSystem (Individual SAS interconnect PN)
- Two (2) HP P4800 42TB SAS SAN Solution for BladeSystem
- Two (2) HP A5820-24XG-SFP switches
- Two (2) HP A5800-24G switches
- One (1) HP 10K Rack Airflow Optimization Kit
- One (1) HP 42U 1075mm Side Panel Kit
- Six (6) HP Intelligent Mod PSU 24A with two (2) HP PDU Ext bar kits (pair); or optionally four (4) HP Intelligent Mod PSU 40A with one (1) HP PDU Ext bar kit (pair).

- Microsoft Windows Server 2008 R2 Data center edition (Optional)
- Fourteen (14) HP Insight Control licenses
- Factory Integration
- Onsite installation and startup
- 3yr Critical Advantage Level 3 support (24x7 hardware and software support with 6 hour hw call-to-repair),, covering all components of the system

Step 2: Choose HP Care Pack Support and Additional Services

HP Service and Support

3yr HP Critical Advantage Level 3 (24x7 hardware and software support with 6 hour hw call-to-repair) is the optimized service level with HP VirtualSystem Solution for Microsoft. This is set as the default service level.

NOTE: Provides an assigned account team to deliver support and maintain uptime of business-critical, virtualized environments. An end-to-end infrastructure support solution (x86 server, OS/hypervisor, storage and network support), Critical Advantage provides flexible reactive hardware service levels, proactive services, and access to the Global Mission Critical Solution Center for business critical applications running on virtualized x86 infrastructures.

Locate more information on Critical Advantage at the following URL:
http://intranet.hp.com/tsg/ams3/services/002/Service_Solutions_MC/Pages/CriticalAdvantage.aspx

Longer durations and DMR option could be selected, see full list below
HP Critical Advantage - 3yr, 4yr, or 5yr

5Y Critical Advantage L3	HK777A5
4Y Critical Advantage L3	HK777A4
3Y Critical Advantage L3	HK777A3
5Y Critical Advantage L3 w/ DMR	HK780A5
4Y Critical Advantage L3 w/ DMR	HK780A4
3Y Critical Advantage L3 w/ DMR	HK780A3

The following lower service levels could be selected:

3yr Critical Advantage Level 2 support (24x7 hardware and software support w/ 4h HW onsite).
Longer durations and DMR option could be selected, see full list below

5Y Critical Advantage L2	HK776A5
4Y Critical Advantage L2	HK776A4
3Y Critical Advantage L2	HK776A3
5Y Critical Advantage L2 w/ DMR	HK779A5
4Y Critical Advantage L2 w/ DMR	HK779A4
3Y Critical Advantage L2w/ DMR	HK779A3

3y Support Plus 24 is the required minimum support with HP VirtualSystem Solution for Microsof, in combination with Proactive Select 30 credits.
Sselect from one of the following support offers:

HP Support Plus 24 - 3yr, 4yr or 5yr

NOTE: For a high return on your server and storage technology, our 3-year combined reactive support service delivers integrated onsite hardware/software support services available 24x7x365, including access to HP technical resources, 4-hour response onsite hardware support and software updates.

5y Support Plus 24 MSA30/20 SVC	HA110A5
4y Support Plus 24 MSA30/20 SVC	HA110A4
3y Support Plus 24 MSA30/20 SVC	HA110A3
5 y Support Plus 24 w/DMR	HG930A5
4 y Support Plus 24 w/DMR	HG930A4
3 y Support Plus 24 w/ DMR	HG930A3

HP Proactive Select - 3yr, 4yr, or 5yr

NOTE: Provides an assigned account support manager focused on technical and operational improvements specific to your business environment.

NOTE: With HP Proactive Select, you purchase credits that can be applied to any proactive service from our extensive menu that spans the entire lifecycle of your IT environment. For example, help with implementing a new technology, or proactive notification of critical network service problems.

NOTE: Available in packages of service credits, redeem them as you go, choosing the proactive services you need to fit your environment and critical IT and business goals.

NOTE: HP Care Pack Services for different duration and credit sizes are listed below.

HP 3Y Proactive Select 30 credits SVC	HK696A3
HP 3Y Proactive Select 90 credits SVC	HG921A3
HP 3Y Proactive Select 180 credits SVC	HG922A3
HP 3Y Proactive Select 540 credits SVC	HG923A3
HP 3Y Add 10 Proactive Select Credit SVC	HG924A3
HP 4Y Proactive Select 40 credits SVC	HK696A4
HP 4Y Proactive Select 120 credits SVC	HG921A4
HP 4Y Proactive Select 240 credits SVC	HG922A4
HP 4Y Proactive Select 720 credits SVC	HG923A4
HP 4Y Add 10 Proactive Select Credit SVC	HG924A4
HP 5Y Proactive Select 50 credits SVC	HK696A5
HP 5Y Proactive Select 150 credits SVC	HG921A5
HP 5Y Proactive Select 300 credits SVC	HG922A5
HP 5Y Proactive Select 900 credits SVC	HG923A5
HP 5Y Add 10 Proactive Select Credit SVC	HG924A5

HP VirtualSystem for Microsoft Solution	Dimensions	Height	42U, 78.89 in (200.4 cm)
		Width	24 in (59.7 cm)
		Depth	39.69 in (101.5 cm)
	Shipping Dimensions	Height	86.22 in (219 cm)
		Width	35.56 in (90.3 cm)
		Depth	48 in (121.92 cm)
	Weight	VS1 base Static	645 lb (290 kg)
		VS1 extended Static	1091 lb (490 kg)
		VS2 base Static	1106 lb (498 kg)
		VS2 extended Static	1841 lb (828 kg)
		Dynamic (rack maximum)	2000 lb (900 kg)
	Color	Doors	Graphite Metallic
		Frame	Carbon
	Clearance (for air flow and access)	Front	48 in (121.9 cm)
		Rear	30 in (76.2 cm)
	Temperature range	Operating	
		VS1	50° to 95° F (10° to 35° C) Base 50° to 80.4° F(10° to 28° C) Extended
		VS2	50° to 95° F (10° to 35° C) Base 50° to 95° F (10° to 35° C) Extended
	Relative humidity	Operating	15 to 85% relative humidity (Rh) 28°C (82.4°F) maximum wet bulb temperature, non-condensing
		Non-Operating	5 to 95% relative humidity (Rh), 38.7°C (101.7°F)maximum wet bulb temperature, non-condensing.
	Power Usage - maximum for each configuration	VS1 Base	4,820 watts (at 250V)
		VS1 Extended	13,920 watts (at 250V)
		VS2 Base	7,500 watts (at 250V)
		VS2 Extended	13,500watts (at 250V)
	BTU rating - maximum for each configuration	VS1 Base	16,420 BTU/hour
		VS1 Extended	47,328 BTU/hour
		VS2 Base	25,550 BTU/hour
		VS2 Extended	45,900 BTU/hour

NOTE: Operating temperature has an altitude derating of 1.8° F (1° C) per 1,000 ft (304.8 m). No direct sustained sunlight. Upper operating limit is 10,000 ft (3,048 m) or 70Kpa/10.1 psia. Upper non-operating limit is 30,000 ft (9,144 m) or 30.3 KPa/4.4 psia.

NOTE: To review maximum system power ratings for facilities planning purposes use the HP Power Advisor at: http://www.hp.com/go/hppoweradvisor.

Environmental-friendly products and approach	End-of-life management and recycling	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: http://www.hp.com/go/green. To recycle your product, please go to: http://www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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